

25U278

(Pages: 2)

Name :

Reg. No :

SECOND SEMESTER UG DEGREE EXAMINATION, APRIL 2026

(FYUGP)

(Regular/Supplementary/Improvement)

CC24UFTL2CJ102 - FOOD MICROBIOLOGY - I

(Food Technology - Major Course)

(2024 Admission onwards)

Time: 2.0 Hours

Maximum: 70 Marks

Credit: 4

Part A (Short answer questions)

Answer *all* questions. Each question carries 3 marks.

1. Distinguish resolving power and magnification. [Level:2] [CO1]
2. Define environmental microbiology. [Level:2] [CO1]
3. Define light microscope. [Level:2] [CO1]
4. Mention about functions of pili in bacteria. [Level:4] [CO2]
5. Name the molds useful in food industry. [Level:2] [CO2]
6. Define conjugation. [Level:4] [CO2]
7. Define virology. [Level:2] [CO3]
8. Define spread plate method. [Level:3] [CO3]
9. Extrinsic factors influencing growth of microorganisms. [Level:2] [CO4]
10. Define culture media. [Level:2] [CO4]

(Ceiling: 24 Marks)

Part B (Paragraph questions/Problem)

Answer *all* questions. Each question carries 6 marks.

11. Classify electron microscopes and elaborate scanning electron microscope. [Level:2] [CO1]
12. Discuss about the theory of spontaneous generation. [Level:2] [CO1]
13. Define fungi, also write about economical uses of fungi. [Level:1] [CO2]
14. Differentiate prokaryotes and eukaryotes with examples of each. [Level:4] [CO2]

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| 15. Explain about enumeration of microorganisms qualitative and quantitative. | [Level:2] [CO3] |
| 16. Discuss about pour plate and spread plate method in microbiology. | [Level:2] [CO3] |
| 17. Discuss about common staining techniques in microbiology. | [Level:2] [CO4] |
| 18. Discuss briefly about factors affecting growth of bacteria. | [Level:2] [CO4] |

(Ceiling: 36 Marks)

Part C (Essay questions)

Answer any **one** question. The question carries 10 marks.

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| 19. Discuss about the major classification of virus. | [Level:3] [CO3] |
| 20. Discuss about nutritional requirement of microorganisms. | [Level:2] [CO4] |

(1 × 10 = 10 Marks)
